

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the applications:

Listing of Claims:

Claim 1-24 (canceled)

Claim 25-32 (withdrawn)

Claim 33 (new): A system to deliver radiation to a substrate, comprising:

- a radiation source to generate radiation having a source intensity distribution pattern;
- a redistribution radiation guide adapted to receive the radiation from the radiation source and to direct the radiation from one region to different regions on the substrate so that the substrate intensity distribution pattern is different from the source pattern; and
- a substrate temperature sensor coupled to the substrate.

Claim 34 (new): The system of claim 33, wherein the substrate temperature sensor is a pyrometer or a thermocouple in contact with the substrate.

Claim 35 (new): The system of claim 33, wherein the redistribution radiation guide directs the radiation from one region to different regions by spreading out the source section.

Claim 36 (new): The system of claim 33, wherein the radiation guide comprises a plurality of spreading components for spreading a region of the radiation source to a larger region on the substrate.

Claim 37 (new): The system of claim 36, wherein the spreading component of the radiation guide distributes a local concentration section of the radiation source over a large region on the substrate for a more uniform distribution of radiation source on the substrate.

Claim 38 (new): The system of claim 33, wherein the redistribution radiation guide directs the radiation from one region to different regions by shifting the source section when the radiation guide is moving.

Claim 39 (new): The system of claim 33, wherein the radiation guide comprises a plurality of shifting components for shifting a region of the radiation source to a different region on the substrate.

Claim 40 (new): The system of claim 39, wherein the shifting component of the radiation guide spreads a local concentration section of the radiation source over a large region on the substrate for a more uniform distribution of radiation source on the substrate when the radiation guide is moving.

Claim 41 (new): The system of claim 39, wherein the shifting components of the radiation guide shift a ring section of the radiation source to a ring section on the substrate, and shift a portion of the ring section of the radiation source progressively to a portion of a ring section on the substrate so that a ring portion of the source is directed to many different ring portions of the substrate when the radiation guide is moving.

Claim 42 (new): The system of claim 41, wherein the ring section on the substrate is wider than the ring section of the radiation source to spread the radiation source over a large region.

Claim 43 (new): The system of claim 33, wherein the radiation source comprises one or more lamps.

Claim 44 (new): The system of claim 33, wherein the radiation is thermal radiation for heating the substrate.

Claim 45 (new): The system of claim 33, wherein the radiation is visible light radiation for lighting the substrate.

Claim 46 (new): The system of claim 33, wherein the radiation guide comprises a light pipe.

Claim 47 (new): The system of claim 33, wherein the radiation source is positioned at a first angle to the substrate and the radiation guide is positioned at a second angle to the substrate to direct radiation from the radiation source to the substrate.

Claim 48 (new): The system of claim 47, wherein the radiation source is positioned at a 90 degree angle to the substrate and the radiation guide is positioned at a 45 degree angle to the substrate.

Claim 49 (new): The system of claim 47, wherein the radiation guide comprises a surface to reflect radiation from the radiation source to the substrate.

Claim 50 (new): A system to deliver radiation to a substrate, comprising:
a radiation source to generate radiation having a source intensity distribution pattern;
a redistribution radiation guide adapted to receive the radiation from the radiation source and to direct the radiation from one region to different

regions on the substrate so that the substrate intensity distribution pattern
is different from the source pattern; and
a motor coupled to the radiation guide to move the radiation guide.

Claim 51 (new): The system of claim 50, further comprising a processor coupled to a
substrate temperature sensor and to the motor.

Claim 52 (new): The system of claim 50, wherein the motor rotates the radiation
guide.

Claim 53 (new): The system of claim 50, wherein the motor rocks the thermal
radiation guide in an oscillatory manner.

Claim 54 (new): The system of claim 50, wherein the motor rocks the thermal
radiation guide in more than one dimensions.